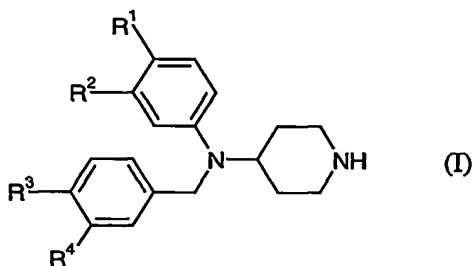


CLAIMS

1. 4-aminopiperidine compound of formula I, including a pharmaceutically acceptable salt thereof,



wherein R^1 , R^2 , R^3 , R^4 independently are selected from hydrogen, fluorine, chlorine, methyl and trifluoromethyl, with the proviso that, if R^1 , R^2 and R^4 are hydrogen, then R^3 is not hydrogen or halogen.

2. A 4-aminopiperidine compound according to claim 1 wherein R^2 is hydrogen, fluorine or methyl; and R^4 is hydrogen, fluorine, chlorine or trifluoromethyl.

3. A 4-aminopiperidine compound according to claim 1 wherein R^1 is hydrogen, fluorine or chlorine; R^2 is hydrogen, fluorine or methyl; R^3 is hydrogen, fluorine, chlorine or methyl; and R^4 is hydrogen, fluorine or chlorine.

4. A 4-aminopiperidine compound according to claim 1 wherein R^1 is hydrogen or fluorine; R^2 is hydrogen or fluorine; R^3 is fluorine or methyl; and R^4 is hydrogen,

5. A 4-aminopiperidine compound according to claim 1 selected from the group consisting of N-(4-methylbenzyl)-N-phenyl-4-piperidinamine; N-(4-fluorobenzyl)-N-(3-fluorophenyl)-4-piperidinamine; N-(3-fluorophenyl)-N-(4-methylbenzyl)-4-piperidinamine; N-(4-fluorobenzyl)-N-(4-fluorophenyl)-4-piperidinamine; N-(4-fluorophenyl)-N-(4-methylbenzyl)-4-piperidinamine or pharmaceutically acceptable salts thereof.

6. N-(4-fluorobenzyl)-N-(3-fluorophenyl)-4-piperidinamine or pharmaceutically acceptable salts thereof.

7. N-(3-fluorophenyl)-N-(4-methylbenzyl)-4-piperidinamine or pharmaceutically acceptable salts thereof.

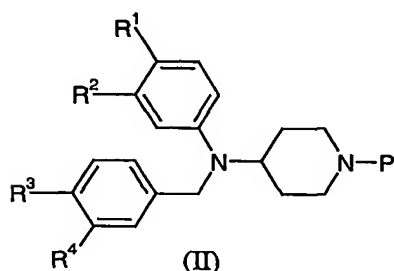
8. A pharmaceutical composition comprising as active ingredient a therapeutically effective amount of a compound according to any of claims 1 to 7 and a pharmaceutically acceptable adjuvant, diluent or carrier.

5 9. A compound according to any of claims 1 to 7 for use as a medicine.

10. Use of a compound according to any of claims 1 to 7 in the manufacture of a medicament.

10 11. Use of a compound according to any of claims 1 to 7 in the manufacture of a medicament for the treatment of neurological diseases.

12. Synthesis intermediate of formula II,



wherein R¹, R², R³, R⁴ independently are selected from hydrogen, fluorine, chlorine, methyl and trifluoromethyl, with the proviso that, if R¹, R² and R⁴ are hydrogen, then R³ is not hydrogen or halogen; and P is an amine protecting group.

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13. A synthesis intermediate according to claim 12 selected from the group consisting of tert-butyl 4-[3-fluoro(4-fluorobenzyl)anilino]-1-piperidinecarboxylate; tert-butyl 4-[[3-(trifluoromethyl)benzyl]anilino]-1-piperidinecarboxylate; tert-butyl 4-[[3-chlorobenzyl]anilino]-1-piperidinecarboxylate; tert-butyl 4-[[3,4-difluorobenzyl]anilino]-1-piperidinecarboxylate; tert-butyl 4-[[3,4-dichlorobenzyl]anilino]-1-piperidinecarboxylate; tert-butyl 4-[[4-methylbenzyl]anilino]-1-piperidinecarboxylate; tert-butyl 4-[[4-(trifluoromethyl)benzyl]anilino]-1-piperidinecarboxylate; tert-butyl 4-[[3,4-difluorobenzyl]-3-fluoroanilino]-1-piperidinecarboxylate; tert-butyl 4-[[4-chlorobenzyl]-3-fluoroanilino]-1-piperidinecarboxylate; tert-butyl 4-[[3,4-dichlorobenzyl]-3-fluoroanilino]-1-piperidinecarboxylate; tert-butyl 4-[3-fluoro(4-methylbenzyl)anilino]-1-piperidinecarboxylate; tert-butyl 4-[3-fluoro(4-(trifluoromethyl)benzyl)anilino]-1-piperidinecarboxylate; tert-butyl 4-[[3-chlorobenzyl]-3-methylanilino]-1-

- piperidinecarboxylate; tert-butyl 4-[(3,4-difluorobenzyl)-3-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-[(4-fluorobenzyl)-3-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-[(4-chlorobenzyl)-3-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-[(3,4-dichlorobenzyl)-3-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-{3-methyl[4-(trifluoromethyl)benzyl]anilino}-1-piperidinecarboxylate; tert-butyl 4-(benzyl-4-fluoroanilino)-1-piperidinecarboxylate; tert-butyl 4-{4-fluoro[3-(trifluoromethyl)benzyl]anilino}-1-piperidinecarboxylate; tert-butyl 4-[(3-chlorobenzyl)-4-fluoroanilino]-1-piperidinecarboxylate; tert-butyl 4-[(3,4-difluorobenzyl)-4-fluoroanilino]-1-piperidinecarboxylate; tert-butyl 4-[4-fluoro(4-fluorobenzyl)anilino]-1-piperidinecarboxylate; tert-butyl 4-[(4-chlorobenzyl)-4-fluoroanilino]-1-piperidinecarboxylate; tert-butyl 4-[(3,4-dichlorobenzyl)-4-fluoroanilino]-1-piperidinecarboxylate; tert-butyl 4-[4-fluoro(4-methylbenzyl)anilino]-1-piperidinecarboxylate; tert-butyl 4-{4-fluoro[4-(trifluoromethyl)benzyl]anilino}-1-piperidinecarboxylate; tert-butyl 4-[4-chloro(4-fluorobenzyl)anilino]-1-piperidinecarboxylate; tert-butyl 4-[(3-chlorobenzyl)-4-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-[(3,4-difluorobenzyl)-4-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-[(4-fluorobenzyl)-4-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-[(4-chlorobenzyl)-4-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-[(3,4-dichlorobenzyl)-4-methylanilino]-1-piperidinecarboxylate; tert-butyl 4-{4-methyl[4-(trifluoromethyl)benzyl]anilino}-1-piperidinecarboxylate; tert-butyl 4-[(4-fluorobenzyl)-4-(trifluoromethyl)anilino]-1-piperidinecarboxylate and tert-butyl 4-[(3-chlorobenzyl)-3-fluoroanilino]-1-piperidinecarboxylate.
14. Synthesis intermediate selected from the group consisting of tert-butyl 4-(3-fluoroanilino)-1-piperidinecarboxylate; tert-butyl 4-(3-toluidino)-1-piperidinecarboxylate; tert-butyl 4-(4-toluidino)-1-piperidinecarboxylate.